

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 02719  
**Lot Number** 000424-150320-32004  
**Product** ***N*<sup>α</sup>-Boc-*N*<sup>δ</sup>-Fmoc-L-ornithine**

Boc-L-Orn(Fmoc)-OH

**CAS Number** 150828-96-9  
**Molecular Formula** C<sub>25</sub>H<sub>30</sub>N<sub>2</sub>O<sub>6</sub>  
**Molecular Weight** 454.53

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**Appearance** White powder  
**Solubility** Clear solution (0.3 g in 2 mL DMF)  
**Melting Point** 151.4-152.4 °C  
**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = -4.9° (C=1 in DMF)  
**Infrared Spectrum** Conforms to structure  
**Analysis by Mass Spectra** Conforms to standard  
**Loss on Drying** 0.56% (60 °C, 2h)  
**<sup>1</sup>H NMR** Conforms to structure  
**Purity by HPLC** 99.44%  
**Storage** Store at 0-8 °C

**Remarks** See material safety data sheet for additional information  
For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
**Quality Control Manager**